

Launch Mission Execution Forecast

Mission: Atlas V USSF-8

As Needed

Next Forecast Will Be Issued

Issued: 20 Jan 2022 / 0800L (1300Z)

Valid: 21 Jan 2022 / DURING WINDOW



Forecast Discussion: High pressure centered to our east will bring southerly winds, warmer temperatures, and dry conditions for today's Mobile Launch Platform roll operations. A cold front is forecast to approach Friday, though models generally agree that it will remain to the north of the area through the launch window. At this time, the deepest moisture and best convergence along the front is not expected to reach central Florida until late in the afternoon, thus the Probability of Violation for Friday's launch attempt has been dropped to 30%. Forecast models continue to indicate an area of disturbed weather developing late Friday, resulting in scattered showers and perhaps a thunderstorm overnight. Gusty north winds will develop on the system's backside and there is increasing concern for a Thick Cloud Layer Rule violation during the backup window as low- to mid-level moisture is expected to linger into Saturday afternoon.

	Probability of Violating Weather Constraints								
Day	30% Primary Concerns: Cumulus Cloud Rule, Thick Cloud Layer Rule								
ch	Weather Conditions							Additional Risk Criteria	
aunch	Weather/Visi	bility:	None / 7 mi.	Туре	Clouds Coverage	Base (ft)	Tops (ft)		
_	Temp/Humid	ity:	73°F / 68%	Cumulus	Scattered	2,500	8,000	Solar Activity:	Low
	Ground Wind	ds (230'):	360° 5 - 9 knots	Cirrostratus	Broken	18,000	22,000		
	Probability of Violating Weather Constraints								
	40% Primary Concerns: Thick Cloud Layer Rule								
Jelay	40%	Primar	ry Concerns: Thick (Cloud Layer Rul	е				
	40%	Primar		Cloud Layer Rul	e			Additional I	Risk Criteria
				Conditions	Clouds			Additional I	Risk Criteria
	Weather/Visi	bility:	Weather None / 7 mi.	* Conditions	Clouds Coverage	Base (ft)	Tops (ft)		
24-Hour Delay		bility:	Weather	Conditions	Clouds		Tops (ft) 8,000	Additional I	Risk Criteria